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FOR PATENTS AND TRADEMARKS

(12) ABSTRACT OF INVENTION

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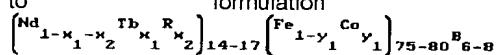
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(54) MAGNETIC MATERIAL

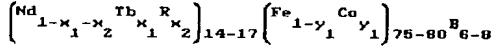
(57) Abstract:

FIELD: powder metallurgy, in particular, materials with specific physical characteristics. SUBSTANCE: magnetic material contains Fe-B-Co-R, where R is sum of rare-earth elements. Composition conforms to formulation

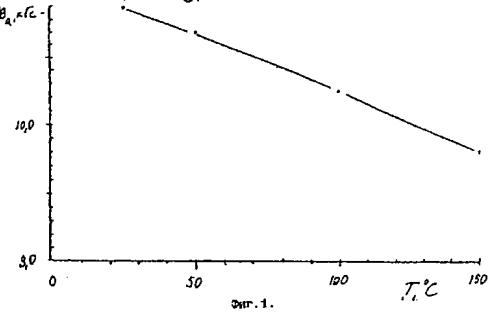


, where R is at least one element from group of dysprosium (Dy), holmium (Ho), erbium (Er), thulium (Tm), and

$x_1+x_2=0,1-0,99, x_1/x_2\geq 0,10, Y_1=0,2-0,5$ . In addition magnetic material contains at least one element from group of aluminum (Al), gallium (Ga), titan (Ti), niobium (Nb), molybdenum (Mo). Chemical composition conforms to formulation



, where T is at least one element from group of aluminum (Al), gallium (Ga), titan (Ti), niobium (Nb), molybdenum (Mo).  $Y_2$  is in range of 0.01-10 % of atomic weight. EFFECT: increased temperature stability, temperature inductance rate is in range of +0.05 to -0.08%/C in temperature range from -60 to +150 C. 2 cl, 2 dwg, 3 ex



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